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PETROLEUM INDUSTRY OF BASHKIR ASSR, FIRST HALF 1953

PRODUCTION RECORD --- Moscow, Izvestiya, 1 May 53

On 29 April, the Bashneft' Association (S. I. Kuvykin, chief) fulfilled
 the 4-month plan and the April plan for production of petroleum.

Moscow, Komsomol'skaya Pravda, 31 May 53

On 30 May, the Bashneft' Association fulfilled the 5-month plan for pro-
 duction of petroleum. During 1953, the production of liquid fuel has grown
 by 20.2 percent in comparison with the corresponding period of 1952.

Moscow, Pravda, 31 May 53

Cil Field No 5 of the Tuymazaneft' Trust already has fulfilled its yearly
 obligations with respect to the production of above-plan fuel. During the first
 5 month of 1953, the average daily production of petroleum at this field has in-
 creased by 36 percent. [Base of comparison not expressed.]

Moscow, Izvestiya, 30 Jun 53

On 28 June, the Bashneft' Association fulfilled the half-year plan for pro-
 duction of petroleum. During the first half 1953, the association increased its
 production of petroleum by 21.5 percent in comparison with the first half 1952.

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Moscow, Trud, 30 Jun 53

On 29 June, the Tuymazaneft' Trust fulfilled the half-year plan for production of petroleum. During the first half 1953, the average daily level of production in the trust increased by more than 30 percent. [Base of comparison not expressed.]

PRODUCTION TECHNOLOGY -- Moscow, Trud, 16 Apr 53

Great savings in personnel in the Tuymazy oil fields have been effected through the installation of equipment making automatic the production operations. For example, electrical winches have replaced manual winches. The process of pumping petroleum from the gauging tanks in the vicinity of the wells to the tank farm has been made automatic. Moreover, the complicated problem of automatic regulation of the gas and oil pressure in the traps [probably gas and oil separators] has been solved.

Operations at Oil Field No 2 of the Tuymazaneft' Trust have been made almost fully automatic. As a result, each operator at this oil field services as many as 8, 10, or even 12 oil wells. A plan for the remote-control operation, i.e., the control of automatically operated oil wells by an operator located at a central point, of Oil Field No 4 of the Tuymazaneft' Trust has been worked out. This plan will be put into operation during 1953.

Moscow, Pravda, 22 May 53

With the assistance of scientific institutions, oil workers of the Bashkir ASSR have mastered advanced technology of exploiting petroleum deposits, including the production of petroleum by contour flooding. The Moscow Petroleum Institute, the Petroleum Institute of the Academy of Sciences USSR, and the Ufa Petroleum Scientific Research Institute are rendering important assistance in perfecting a new technology for the refining of highly sulfurous petroleum.

However, despite the degree of cooperation which exists between the oil producers and the scientific workers, there are shortcomings in the work of certain scientific institutions.

Moscow, Izvestiya, 7 Jul 53

Oktyabr'skiy, one of the youngest cities of the USSR, has been given life by oil workers who produce liquid fuel from Devonian deposits. The two-story building of the administration of the Tuymazaneft' Trust stands along the central part of Ulitsa Devonskaya, Oktyabr'skiy's main street.

Soon, all oil fields of the Tuymazaneft' Trust will be operated by the remote-control method. The director of the Tuymazaneft' Trust is P. Galonskiy.

Oktyabr'skneftestroy [Oktyabr'skiy Trust for Construction of Petroleum Enterprises?] has been slow in completing construction objectives in the city of Oktyabr'skiy.

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Moscow, Komsomol'skaya Pravda, 12 Jul 53

Pumping jacks rarely have been employed at the Tuymazy oil fields, where most oil wells have been flowing since the first day of operation. However, after several years of production this flow of petroleum is diminishing. Soviet scientists have discovered a means of restoring the flow. Along the contour or periphery of the petroleum deposit, wells are drilled, and thousands of cubic meters of water are pumped into the wells. This procedure forces the petroleum to the surface.

The flooding of petroleum deposits, which was begun 5 years ago, has increased the production of petroleum in the Tuymazy region by several times. In addition, operational expenses have decreased and the cost of production of petroleum has been lowered by three fourths.

DRILLING RECORD -- Kishinev, Sovetskaya Moldaviya, 29 Apr 53

Drillers of the 'Ishimbayneft' Trust fulfilled the 4-month plan ahead of schedule.

Moscow, Komsomol'skaya Pravda, 31 May 53

The May drilling plan for the Bashneft' Association was fulfilled 2 days ahead of schedule.

DRILLING TECHNOLOGY -- Moscow, Trud, 12 May 53

Working on a forced system, Allayarov's drilling brigade of Drilling Office No 2 of the Tuymazaburneft' [Tuymazy Petroleum Drilling?] Trust has set a record drilling speed for the region of the Second Baku. The brigade's speed of drilling was 1,837 meters per machine-month.

Working on the regular, or unforced, system, Gafarov's drilling brigade of Drilling Office No 1 of the Tuymazaburneft' Trust has set a record drilling speed. Using only one pump, the brigade completed the drilling of a deep Devonian oil well in 30 days, instead of 67 days, the time required by the plan. This performance exceeded the old record speed for drilling under an unforced system by 678 meters [per machine-month?]. The new record was achieved using a turbodrill and employing water in place of the usual mud solution.

Moscow, Pravda, 22 May 53

The All-Union Scientific Research Petroleum Institute is rendering assistance to drillers of the Bashkir ASSR. A brigade of this institute, together with workers of the Ufa Petroleum Scientific Research Institute, used a new device, the turbotachometer, in conducting research of forced systems of turbodrilling.

However, despite the cooperation which exists between scientific workers and oil producers, there are shortcomings on the part of certain scientific institutions. Last year, drilling innovators in the Bashkir ASSR introduced a new and highly effective technology for drilling oil wells using water in place of the usual mud solution. The advantages of the new technology were so obvious that it was widely adopted by drilling brigades in the Tatar ASSR and in the Kuybyshevskaya, Saratovskaya, and Molotovskaya oblasts.

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However, the new technology still possesses a series of unresolved problems and needs perfection. The Moscow Petroleum Institute and the Petroleum Institute of the Academy of Sciences USSR should have organized research immediately in order to perfect the new technology. This effort would have given drillers definitive recommendations on unresolved problems, such as the determination of the depth of penetration of water into the production horizon. However, until recently, it would seem that the institutes had not been aware of the new drilling technology.

Moscow, Izvestiya, 7 Jun 53

On 6 June, Gorobet's drilling brigade of the Bashzapadnefteirazvedka [Bashkir Western Petroleum Prospecting?] Trust completed drilling survey well No 46 in the record time of 62 hours. The brigade attained a commercial drilling speed of 2,082 meters per machine-month, which was seven times the plan speed.

Moscow, Izvestiya, 16 Jun 53

On 14 June, Allayarov's drilling brigade [of Drilling Office No 2 of the Tuymazaburneft' Trust] completed the drilling of oil well No 793, which was drilled at a commercial speed of 2,385.6 meters per machine-month. The brigade used water in place of the usual mud solution.

Moscow, Izvestiya, 7 Jul 53

Using a forced system of drilling, Allayarov's drilling brigade [of Drilling Office No 2 of the Tuymazaburneft' Trust] completed the drilling of an oil well to a depth of 1,653 meters in 27 days; using the regular drilling system, Gafarov's drilling brigade [of Drilling Office No 1 of the Tuymazaburneft' Trust] completed the drilling of a well to a similar depth in 31 days. Both of these were record drilling speeds for the Bashkir ASSR, where drillers are confronted with rock, not sand and clay. At Baku, one bit can drill a kilometer, but in Bashkiriya, a bit lasts only 19 meters on an average.

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